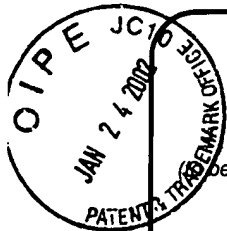


Please type a plus sign (+) inside this box → ☒

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

To be used for all correspondence after initial filing)

TRANSMITTAL FORM To be used for all correspondence after initial filing)	Application Number	09/977,069	
	Filing Date	October 11, 2001	
	First Named Inventor	Ramanath, G.	
	Group Art Unit	2811	
	Examiner Name		
Total Number of Pages in This Submission		Attorney Docket Number	020752-000121US

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Response
- ☐ After Final
- ☐ Affidavits/declaration(s)

☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing
Parts under 37 CFR
1.52 or 1.53

- ☐ Assignment Papers
(for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Routing Slip (PTO/SB/69)
and Accompanying Petition
- ☐ Petition to Convert to a
Provisional Application
- ☐ Power of Attorney, Revocation
Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s)

- ☐ After Allowance Communication to
Group
- ☐ Appeal Communication to Board of
Appeals and Interferences
- ☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter

☒ Other Enclosure(s)
(please identify below):Request for Corrected Filing Receipt; red
marked copy of filing receipt; Return
Postcard; Supplemental ADS

Remarks

The Commissioner is authorized to charge any additional fees to
Deposit Account 20-1430.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm and Individual name	Townsend and Townsend and Crew LLP Patrick R. Jewik	Reg. No. 40,456
Signature		
Date	12/27/01	

CERTIFICATE OF MAILING

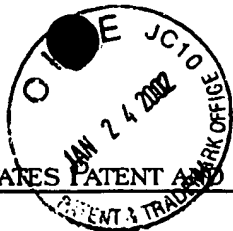
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

12-27-01

Typed or printed name	Gigi Hoover	Date	12-27-01
Signature			

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SF 1303924 v1



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#5 Page 1 of 2

Receipt

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/977,069	10/11/2001	2811	740	020752- 000121US	3	5	1

CONFIRMATION NO. 9488

20350
TOWNSEND AND TOWNSEND AND CREW
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

FILING RECEIPT



OC000000007083832

Date Mailed: 11/16/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

G. Ramanath, Troy, NY;

Ahila Krishnamoorthy, Madras, India;
Kaushik Chanda, Poughkeepsie, NY;
Shyam P. Murarka, Clifton Park, NY

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/240,109 10/12/2000
AND CLAIMS BENEFIT OF 60/244,160 10/27/2000
AND CLAIMS BENEFIT OF 60/255,200 12/11/2000*

(* Data inconsistent with PTO records -

AND CLAIMS BENEFIT of 60/265,100 12/12/2000

Foreign Applications

If Required, Foreign Filing License Granted 11/15/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Self-assembled near-zero-thickness molecular layers as diffusion barriers for Cu metallization

Preliminary Class

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**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
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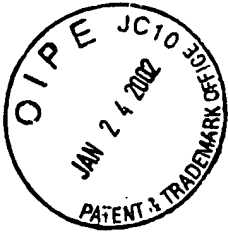
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Assistant Commissioner for Patents Washington, D.C. 20231
on 12-27-01

PATENT
Attorney Docket No.: 020752-000121US

By: Digi Hoover

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

G. Ramanath, et al.

Application No.: 09/977,069

Filed: October 11, 2001

For: SELF-ASSEMBLED NEAR-ZERO-
THICKNESS MOLECULAR LAYERS AS
DIFFUSION BARRIERS FOR CU
METALLIZATION

Examiner: Unassigned

Art Unit: 2811

REQUEST FOR CORRECTED FILING
RECEIPT

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Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, D.C. 20231

Sir:

Attached is a copy of the official Filing Receipt received from the Patent and Trademark Office in the above-noted application for which issuance of a corrected filing receipt is respectfully requested.

There is an error in that the names of three inventors were omitted and should read as follows:

Ahila Krishnamoorthy, Madras, India;
Kaushik Chanda, Poughkeepsie, NY;
Shyam P. Murarka, Clifton Park, NY

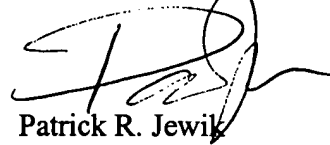
There is also an error in the Domestic Priority data in the second provisional application shown on the filing receipt and should read:

AND CLAIMS BENEFIT OF 60/255,100 12/12/2000

The requested corrections are shown in red on the enclosed copy of the official Filing Receipt.

Please charge any fees or credit overpayment to the Deposit Account No. 20-1430. This Petition is submitted in triplicate.

Respectfully submitted,



Patrick R. Jewik
Reg. No. 40,456

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: (415) 576-0200
Fax: (415) 576-0300
PRJ:gsh

SF 151138 v1\SF 1303906 v1

Supplemental Application Data Sheet

Application Information

Application number:: 09/977,069
Filing Date:: 10/11/01
Application Type:: Regular
Subject Matter:: Utility
Title:: SELF-ASSEMBLED NEAR-ZERO-THICKNESS
MOLECULAR LAYERS AS DIFFUSION
BARRIERS FOR CU METALLIZATION
Attorney Docket Number:: 020752-000121US
Request for Early Publication:: No
Request for Non-Publication:: No
Suggested Drawing Figure:: 1
Total Drawing Sheets:: 3
Small Entity?:: No
Latin name::
Variety denomination name::
Petition included?:: No
Petition Type::
Secrecy Order in Parent Appl.: No

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: India
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Given Name:: G.
Middle Name::
Family Name:: Ramanath
Name Suffix::
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State or Province of Residence:: NY
Country of Residence:: US
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City of Mailing Address:: Clifton Park
State or Province of mailing address:: NY
Country of mailing address:: US
Postal or Zip Code of mailing address:: 12065

Applicant Authority Type:: Inventor
Primary Citizenship Country:: India
Status:: Full Capacity
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Middle Name::
Family Name:: Krishnamoorthy
Name Suffix::
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State or Province of Residence::
Country of Residence:: India
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Postal Address Line Two:: Aerikkarai Street
City of Mailing Address:: Virugambakkam, Madras
State or Province of mailing address::
Country of mailing address:: India
Postal or Zip Code of mailing address:: 600 092

Applicant Authority Type:: Inventor
Primary Citizenship Country:: India
Status:: Full Capacity
Given Name:: Kaushik

Middle Name::
Family Name:: Chanda
Name Suffix::
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State or Province of Residence:: NY
Country of Residence:: US
Street of Mailing Address:: 134 Innis Ave. Apt. D-9
City of Mailing Address:: Poughkeepsie
State or Province of mailing address:: NY
Country of mailing address:: US
Postal or Zip Code of mailing address:: 12601

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Shyam
Middle Name:: P.
Family Name:: Murarka
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City of Residence:: Clifton Park
State or Province of Residence:: NY
Country of Residence:: US
Street of Mailing Address:: 7 Shadowbrook Drive
City of Mailing Address:: Clifton Park
State or Province of mailing address:: NY
Country of mailing address:: US
Postal or Zip Code of mailing address:: 12065

Correspondence Information

Correspondence Customer Number:: 20350

Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	Non-Provisional of	60/240,109	10/12/00
09/977,069	Non-Provisional of	60/244,160	10/27/00
09/977,069	Non-Provisional of	60/255,2100	12/12/00



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Bib Data Sheet

CONFIRMATION NO. 9488

SERIAL NUMBER 09/977,069	FILING DATE 10/11/2001 RULE	CLASS 257	GROUP ART UNIT 2811 2813	ATTORNEY DOCKET NO. 020752-000121US
APPLICANTS G. Ramanath, Clifton Park, NY; Ahila Krishnamoorthy, Madras, INDIA; Kaushik Chanda, Poughkeepsie, NY; Shyam P. Murarka, Clifton Park, NY;				
** CONTINUING DATA ***** <i>EK</i> THIS APPLN CLAIMS BENEFIT OF 60/240,109 10/12/2000 AND CLAIMS BENEFIT OF 60/244,160 10/27/2000 AND CLAIMS BENEFIT OF 60/255,100 12/12/2000				
** FOREIGN APPLICATIONS *****				
IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 11/15/2001				
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged _____ Examiner's Signature _____ Initials _____		STATE OR COUNTRY NY	SHEETS DRAWING 3	TOTAL CLAIMS 5
INDEPENDENT CLAIMS 1				
ADDRESS 20350				
TITLE Self-assembled near-zero-thickness molecular layers as diffusion barriers for Cu metallization				
FILING FEE RECEIVED 870	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	